



**WATER MANAGEMENT DIVISION  
MONTHLY REPORT**

**Information Exchange Bulletin**

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**RESERVOIR OPERATION AND SYSTEM STATUS  
FOR JULY 2000**

**HIGHLIGHTS** – Cairo began the month at 32.3', crested at 32.6' on the 2<sup>nd</sup>, and ended at 17.4'. Normal stage for July is 22 feet.

**WEATHER** – The weather during July was generally cool with widely varied precipitation. Temperatures during the month averaged well below normal across West Virginia and Pennsylvania with slightly below for most of the basin. However, Tennessee did have slightly above normal temperatures. Precipitation was widely varied. Rainfall was above normal for much of West Virginia, eastern Kentucky and Illinois. Indiana, Ohio and Pennsylvania had spotty rainfall with some quite dry areas and other wet areas. However, Tennessee remained well below normal in observed rainfall averaging only about half the expected precipitation.

The following table summarizes temperature and precipitation for July:

**TEMPERATURE AND PRECIPITATION – JULY 2000**

	TEMPERATURE		PRECIPITATION	
STATION	OBSERVED DEGREES F	DEPARTURE FROM NORMAL	OBSERVED INCHES	DEPARTURE FROM NORMAL
Pittsburgh, PA	68.8	-3.3	6.28	+2.53
Charleston, WV	71.2	-3.9	6.06	+1.07
Columbus, OH	72.4	-0.8	4.11	-0.20
Cincinnati, OH	72.6	-2.6	3.53	-0.71
Louisville, KY	76.8	-0.4	3.51	-1.00
Indianapolis, IN	73.0	-2.4	2.95	-1.52

Evansville, IN	75.3	-3.1	4.14	+0.10
Nashville, TN	80.3	+1.0	2.25	-1.72

**STREAMFLOW** -- Ohio River monthly average flows for July ranged from a low of 102 percent of normal at Pittsburgh, PA to a high of 129 percent of normal at Louisville, KY. Daily flows ranged from a low of 24 percent of normal at Evansville, IN to a high of 241 percent of normal at Pittsburgh, PA.

The following table presents the flow data summary for July at the Ohio River Index Stations:

**FLOW DATA – JULY 2000**

STATION	AVERAGE MONTHLY FLOW	PERCENT LONG-TERM NORMAL		
		MONTHLY	DAILY	
	CUBIC FEET/SECOND		HIGH	LOW
Pittsburgh, PA	14,198	102	241	48
Huntington, WV	40,355	111	182	55
Cincinnati, OH	52,258	117	208	34
Louisville, KY	68,581	129	207	38
Evansville, IN	68,419	111	170	24
Paducah, KY	144,350	103	143	36

**RESERVOIRS** -- July started with 1.3% utilization of the total system flood control storage and ended the month at 1.0%. System-wide augmentation storage decreased from 97.7% at the beginning of the month to 97.0% by the end of the month. Significant flood storage utilization in excess of 25% occurred at only one reservoir project during July: 33.0% at Mosquito Creek.

The following table depicts storage change by tributary reservoir subsystem for July:

CHANGE IN STORAGE TRIBUTARY-RESERVOIR SUBSYSTEM	(ACRE-FEET)
Allegheny-Monongahela-Beaver	-62,900

Muskingum-Little Kanawha-Hocking-Kanawha-Guyandotte	+35,000
Twelvepole-Big Sandy-Little Sandy-Scioto	-1,000
Little Miami-Licking-Mill Creek-Great Miami	-12,800
Kentucky-Salt-Green-Wabash	-14,500
Cumberland	-548,300
<b>TOTAL</b>	<b>-604,500</b>

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